ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Abdulnasir M. Shash	9/19/02	02-0816	-	301-925-0832	2009k	DEV/CO

8. CCR Title: Patch_6A.06_INGEST.04 for GSFC

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 18Sept02
/s/ Abdulnasir M. Shash 9/18/02	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
/s/ Randy Miller for Art Cohen 9/18/02	Initial ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected: SDSRV/ESDT/INGEST

19. Release Affected by this Change: 6A	20. Date due to Customer: 18Sept02	21. Estimated Cost: None - Under 100K

22. Source Reference: ☒ NCR (attach) ☐ Action Item ☐ Tech Ref. ☐ GSFC ☐ Other:
35011, 35028

23. Problem: (use additional Sheets if necessary)
Need to create new version 2 of REYNSST ESDT because of CSDT change from ASCII to IEEE binary. Also, NCEP has switched over to a new version of the Reynolds SST weekly product (REYNSST) which involves format changes. Ingest needs to add code to support the new format. NCR Summary
St=C, Sv=5, Bug id = ECSed35011, Subsystem = OPS_SDSRV_ESDT
St=V, Sv=5, Bug id = ECSed35028, Subsystem = OPS_INGST

24. Proposed Solution: (use additional sheets if necessary)
Provide as Patch_6A.06_INGEST.04

25. Alternate Solution: (use additional sheets if necessary)
Delay testing by science teams; wait until next full system delivery

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Delays in ability to ingest REYNSST version 002 data.

27. Justification for Emergency (If Block 15 is "Emergency"):
Need to provide the capability to handle new REYNSST Version 002 data before public release of the data on October 15.

28. Site(s) Affected: ☐ EDF ☒ PVC ☒ VATC ☐ EDC ☒ GSFC ☐ LaRC ☐ NSIDC ☐ SMC ☐ AK ☐ JPL
☐ EOC ☐ IDG Test Cell ☐ Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): /s/ Randy Miller 9/18/02	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

33. M&O CCB Chair (Sign/Date): Debra Stepp 9/18/02	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS

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| **34. ECS CCB Chair (Sign/Date):** | **Disposition:** Approved App/Com.   Disapproved Withdraw Fwd/ESDIS ERB |
| | Fwd/ESDIS |

CM01JA00 Revised 10/15/01   ECS/EDF/SCDV/M&O

ADDITIONAL SHEET

CCR #: 02-0816   Rev: - Originator: Abdulnasir Shash

Telephone: 301-925-0832   **Office:** 2009k

Title of Change: Patch_6A.06_INGEST.04 for GSFC

PATCH DEPENDENCIES:

This patch MUST be installed on top of Patch_6A06_EOC.01A.

Clearcase:

Build IRIX65 tar file from 6A.06 baseline for the following file:

/ecs/formal/ESDT/Ea/DsESDTEaREYNSST.002.desc

Also, build IRIX65 tar file from 6A.06 baseline for the following package:

.EcInDatabase.pkg

Also, build another IRIX65 tar file from 6A.06 baseline for the following file:

/ecs/formal/INGEST/bin/irix65/EcInGran

Please name the tarfile Patch_6A.06_INGEST.04

DAAC Install Instructions:

A. PreInstallation:

1. Create a staging area with an IRIX65 subdirectory. Copy all delivered files to this subdirectory.
2. Untar the file Patch_6A.06_INGEST.04_Sep-12-2002_6A06_irix65_20020912_172104.tar in
   /<staging_area>/IRIX65
3. Untar Patch_6A.06_INGEST.04_Sep-12-2002_6A06_irix65_20020912_165500.tar IRIX65 (irix65) tar file in
   /<staging_area>/IRIX65
4. Run the setup script in the directory /<staging_area>/IRIX65/
5. cd /<staging_area>/IRIX65/CUSTOM/dbms/INS directory
6. chmod 775 *

B. Installation:

To install ESDT descriptor file:
1. Logon to the sdsrv host
2. cd /usr/ecs/<MODE>/CUSTOM/data/ESS/
3. cp -p <staging_area>/IRIX65/<descriptor file name> .
4. chmod 644 <descriptor file name>

Note : This ESDT is a new ESDT, therefore it needs to be installed.

TDx: TD=Technical Document, x=Site Identifier, nnn=Document ID within a document series

5. To install (update) the ESDT descriptors, use the Science Data Server GUI.
6. Using the STMGT GUI add a new Volume Group as well for the ESDT.

To install the Binary (EcInGran):

1. Log on to INGEST server platform
2. Kill all the Ingest Servers and the Polling client which will be used to ingest the REYNSST data.
3. cd /usr/ecs/<mode>/CUSTOM/bin/INS
4. cp /<staging_area>/IRIX65/EcInGran .
5. chmod 755 EcInGran
6. Do not restart the servers or Polling until the database is updated.

C: Database Update

To Install Ingest Database patch:

1. Login to the INGEST host
2. Bring up EcsAssist SubSystem Manager to install .EcInDatabase.pkg

once the install is complete:

3. Select the .dbparms file and on the Configurable Database Parameters window verify that your DAAC name is correct and that
   the PATCH number is 6317.
4. Enter the DBO ID, Password, SQLServer Name and Database Name.
5. Update the INGEST database with the 6317 patch (Patches 6207 through 6215 will already have been installed from previous
   patches or TEs):

Patch Number   Patch Description

Patch Number	Patch Description
6207	This is the database patch for Sony DTF INGEST capability. (This patch was installed with Patch_6A.06_INGEST.01A)
6309	This is the database patch for NCR 34246. (This patch was installed with Patch_6A.06_INGEST.01A)
6311	This patch adds column MediaID to the Ingest tables InRequestProcessHeader and InRequestSummaryHeader. (This patch was installed with Patch_6A.06_INGEST.01A)
6313	Updates the InRPHDelCompReq store procedure. (This patch was installed with Patch_6A.06_INGEST.01A)
6315	In order to prevent deadlocks from occurring, modified two indexes in the InRequestProcessHeader and dropped an index from the InRequestProcessData tables. (This patch was installed with Patch_6A06_EOC.01)
6317	This patch adds a VersionID 002 Ingest DataType(REYNSST). The changes will be reflect across4 tables for Ingest (InSourceMCF, InFileTypeTemplate, InDataTypeTemplate and InCurrentDataTypeMap)

A log will be put in the /usr/ecs/<MODE>/CUSTOM/logs directory

D. Post Installation:

1. Restart the Ingest server

The Test Report for Patch_6A.06_INGEST.04 is attached.